

MAY 30 2006

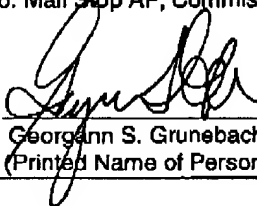
**FAX COVER SHEET****PLEASE CONFIRM RECEIPT OF THIS FACSIMILE**

|   |  |        |                |
|---|--|--------|----------------|
| Attention:                                | MAIL STOP AF<br>Group Art Unit: 3662<br>Examiner: ISSING, Gregory C. | Fax:   | (571) 273-8300 |
| UNITED STATES PATENT AND TRADEMARK OFFICE |  | Phone: | (571) 272-6973 |
| Pages:                                    | Cover + 1 + 10 = 12  | Date:  | May 30, 2006   |
| From:                                     | Georgann S. Grunebach  | Fax:   | (310) 964-0941 |
|   | Assistant General Counsel  | Phone: | (310) 964-4615 |

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**CERTIFICATION OF FACSIMILE TRANSMISSION UNDER 37 CFR 1.8**

I hereby certify that this correspondence identified below is being facsimile transmitted to (571) 273-8300 (Centralized Facsimile Number), addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on May 30, 2006.

  
 Georgann S. Grunebach, Reg. No. 33,179  
 Telephone No. (310) 964-4615 (Printed Name of Person Signing Certificate)

May 30, 2006  
 (Date of Signature)

**Attention: Commissioner for Patents****Attorney Docket No. PD-980034**

Please find attached Re:

Serial No.: 09/497,865

Filing Date: February 4, 2000

- AMENDMENT TRANSMITTAL (1 page)
- RESPONSE TO THE APPEAL DECISION DATED APRIL 10, 2006 (10 pages)

**PLEASE CONFIRM RECEIPT OF THIS FACSIMILE**

If you do not receive all pages, or pages are not clear, please call Karen Lum at (310) 964-0735.

MAY 30 2006

PATENT  
Docket No. PD-980034  
CUSTOMER NO.: 020991

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Donald C. D. Chang et al. : Date: May 30, 2006  
 Serial No. 09/497,865 : Group Art Unit: 3662  
 Filed: February 4, 2000 : Examiner: ISSING, Gregory C.  
 For: AN IMPROVED PHASED ARRAY TERMINAL  
 FOR EQUATORIAL SATELLITE CONSTELLATIONS

TRANSMITTAL LETTER FOR AMENDMENT

Mail Stop AF  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir: Transmitted herewith is an amendment in the above-identified application.

X Applicant believes that no extension of time is required to respond to the Appeal Decision dated April 10, 2006. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

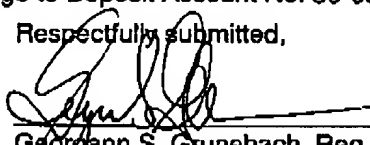
X No additional fee for claims is required.

       The fee for claims has been calculated as shown below:

| CLAIMS AS AMENDED                        |                                       |       |    |   |                  |   |           |                   |       |
|--|---------------------------------------|-------|----|---|------------------|---|-----------|-------------------|-------|
| CLAIMS REMAINING<br>AFTER AMENDMENT      | HIGHEST NUMBER<br>PREVIOUSLY PAID FOR |       |    |   | PRESENT<br>EXTRA |   | RATE      | ADDITIONAL<br>FEE |       |
| TOTAL CLAIMS                             | 21                                    | minus | 36 | = | 0                | x | \$ 18.00  | \$                | 00.00 |
| INDEPENDENT CLAIMS                       | 4                                     | minus | 6  | = | 0                | x | \$ 86.00  | \$                | 00.00 |
| MULTIPLE DEPENDENT CLAIMS                | 0                                     |       |    |   | 0                | + | \$ 290.00 | \$                | 00.00 |
| TOTAL ADDITIONAL FEE FOR THIS AMENDMENT: |                                       |       |    |   |                  |   |           | \$                | 00.00 |

Charge \$ 00.00 to Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California. Please charge any additional fees for claims or credit overpayment to Deposit Account No. 50-0383. If any additional extension fee is required, please charge to Deposit Account No. 50-0383.

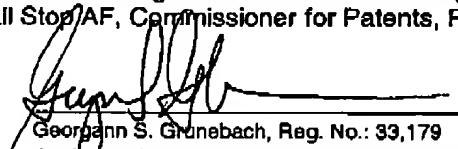
Respectfully submitted,

  
 Georgann S. Grunebach, Reg. No.: 33,179  
 Attorney for Applicant(s)

CERTIFICATION OF FACSIMILE TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that the correspondence identified above is being facsimile transmitted to (703) 872-9306 (Centralized Facsimile Number), addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on May 30, 2006.

The DIRECTV Group, Inc.  
 Patent Docket Administration  
 Bldg. RB, M/S A109  
 PO Box 956  
 El Segundo, CA 90245-0956  
 Telephone: 310/964-4615  
 May 30, 2006

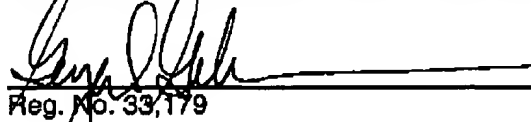
  
 Georgann S. Grunebach, Reg. No.: 33,179  
 Applicant, Assignee or Registered Representative

May 30, 2006  
 Date

Certification under 37 CFR 1.10

MAY 30 2006

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(date of facsimile transmission)

Georgann S. Grunebach (Name of Applicant, Assignee or Registered Representative)

(Signature)

May 30, 2006 (Date of Signature)

Reg. No. 33,179

Customer Number 020991

PATENT  
Docket No. PD-980034**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of:

Donald C. D. Chang

Serial No. 09/497,865

Group Art Unit: 3662

Filed: February 4, 2000

Examiner: G. Issing

For: AN IMPROVED PHASED ARRAY TERMINAL FOR  
EQUATORIAL SATELLITE CONSTELLATIONS

Attorney Docket No: PD-980034

**AMENDMENT AFTER DECISION BY THE BOARD**Mail Stop AF  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Appeal Decision dated April 10, 2006, please enter the following amendments and remarks.